

## Printed-circuit board connector - MCC 1/16-STZF-3,81 - 1852503

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Crimp connection, Color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm<sup>2</sup>] data: 5A/MCC-MT 0,2-0,35 (1859988); 8A/MCC-MT 0,5-1,0 (1859991)



### Product Features

- ✓ Can be combined with MC 1,5 base strips and IMC 1,5 plugs
- ✓ Low design height of the MCC 1 plug range
- ✓ Two different crimp contacts can be used
- ✓ With snap-lock option for pull-out aid



### Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	5.66 GRM
Custom tariff number	85366990
Country of origin	Poland

### Technical data

#### Dimensions

Pitch	3.81 mm
Dimension a	57.15 mm

#### General

Range of articles	MCC 1/..-STZF
Insulating material group	I
Rated surge voltage (III/3)	2.5 kV
Rated surge voltage (III/2)	2.5 kV
Rated surge voltage (II/2)	2.5 kV
Rated voltage (III/3)	160 V
Rated voltage (III/2)	160 V

## Printed-circuit board connector - MCC 1/16-STZF-3,81 - 1852503

### Technical data

#### General

Rated voltage (U/2)	320 V
Connection in acc. with standard	EN-VDE
Nominal current I <sub>N</sub>	8 A
Nominal cross section	1 mm <sup>2</sup>
Maximum load current	8 A
Insulating material	PA
Inflammability class according to UL 94	V0
Number of positions	16

#### Connection data

Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	1 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	18
Minimum AWG according to UL/CUL	20
Maximum AWG according to UL/CUL	18

### Classifications

#### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27260704
eCl@ss 7.0	27440402
eCl@ss 8.0	27440309

#### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638

#### UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409

# Printed-circuit board connector - MCC 1/16-STZF-3,81 - 1852503

## Classifications

### UNSPSC

UNSPSC 13.2	39121409
-------------	----------

## Approvals

### Approvals

#### Approvals

UL Recognized / cUL Recognized / cULus Recognized

#### Ex Approvals

#### Approvals submitted

## Approval details

UL Recognized		
	B	D
mm <sup>2</sup> /AWG/kcmil	24-22	24-22
Nominal current I <sub>N</sub>	5 A	5 A
Nominal voltage U <sub>N</sub>	300 V	300 V

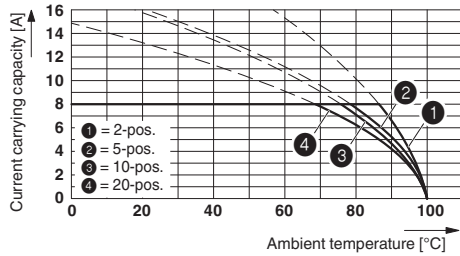
cUL Recognized		
	B	D
mm <sup>2</sup> /AWG/kcmil	24-22	24-22
Nominal current I <sub>N</sub>	5 A	5 A
Nominal voltage U <sub>N</sub>	300 V	300 V

cULus Recognized		
------------------	--	--

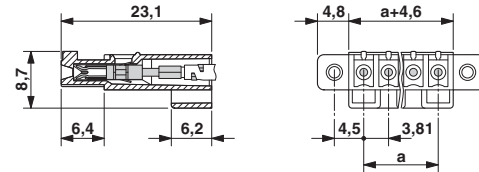
## Drawings

# Printed-circuit board connector - MCC 1/16-STZF-3,81 - 1852503

Diagram



Dimensioned drawing



Type: MCC 1/...-ST-3,81 with MC 1,5/...-G-3,81; contact: MCC-MT 0,5 - 1,0